

OPINION 2344 (Case 3590)***Scarabaeus* Linnaeus, 1758, *Dynastes* MacLeay, 1819, SCARABAEINAE Latreille, 1802 and DYNASTINAE MacLeay, 1819 (Insecta, Coleoptera, SCARABAEOIDEA): usage conserved**

Abstract. The Commission has conserved under the plenary power the current usage of the widely used names *Scarabaeus* Linnaeus, 1758 for a dung rolling beetle genus, SCARABAEINAE Latreille, 1802 for the dung beetle subfamily, *Dynastes* MacLeay, 1819 for the Hercules beetle genus, and DYNASTINAE MacLeay, 1819, for the rhinoceros beetle subfamily by setting aside all types species fixations for *Scarabaeus* before Hope's (1837) designation of *Scarabaeus sacer* Linnaeus, 1758.

Keywords. Nomenclature; taxonomy; Coleoptera; SCARABAEIDAE; DYNASTINAE; *Scarabaeus*; *Dynastes*; *Dynastes hercules*; dung rolling beetles; Hercules beetles; rhinoceros beetles.

Ruling

- (1) Under the plenary power it is hereby ruled that all type species fixations for the nominal genus *Scarabaeus* Linnaeus, 1758 before that of *Scarabaeus sacer* Linnaeus, 1758 by Hope, 1837 are set aside.
- (2) The following names are hereby placed on the Official List of Generic Names in Zoology:
 - (a) *Scarabaeus* Linnaeus, 1758 (gender: masculine), type species *Scarabaeus sacer* Linnaeus, 1758, as ruled in (1) above;
 - (b) *Dynastes* MacLeay, 1819 (gender: masculine), type species *Scarabaeus hercules* Linnaeus, 1758 by subsequent designation by Kirby (1825).
- (3) The following names are hereby placed on the Official List of Specific Names in Zoology:
 - (a) *sacer* Linnaeus, 1758, as published in the binomen *Scarabaeus sacer* (specific name of the type species of *Scarabaeus* Linnaeus, 1758);
 - (b) *hercules* Linnaeus, 1758, as published in the binomen *Scarabaeus hercules* (specific name of the type species of *Dynastes* MacLeay, 1819).
- (4) The following names are hereby placed on the Official List of Family-Group Names in Zoology:
 - (a) SCARABAEIDAE Latreille, 1802, type genus *Scarabaeus* Linnaeus, 1758 (Insecta, Coleoptera);
 - (b) DYNASTIDAE MacLeay, 1819, type genus *Dynastes* MacLeay, 1819 (Insecta, Coleoptera).

History of Case 3590

An application to conserve the current usage of the widely used names *Scarabaeus* Linnaeus, 1758 for a dung rolling beetle, SCARABAEINAE Latreille, 1802 for the dung beetle subfamily, *Dynastes* MacLeay, 1819 for the Hercules beetle genus, and DYNASTINAE MacLeay, 1819, for the rhinoceros beetle subfamily was received from

Frank-Thorsten Krell (*Department of Zoology, Denver Museum of Nature & Science, Denver, CO, U.S.A.*), Tristão Branco (*Rua de Camões, 788, Porto, Portugal*) & Stefano Ziani (*Via S. Giovanni, 41/a, Meldola (FC), Italy*) on 10 December 2012. After correspondence the Case was published in BZN **69**: 182–190 (September 2012). The title, abstract and keywords of the Case were published on the Commission's website. Comments on this case were published in BZN **69**(4): 293–295; **70**(1): 46–48; **70**(3): 202–203. The Case was sent for vote on 1 March 2014.

Decision of the Commission

At the close of the voting period on 1 June 2014 the votes were as follows:

Affirmative votes – 25: Alonso-Zarazaga, Ballerio, Bogutskaya, Bouchet, Brothers, Fautin, Grygier, Halliday, Harvey, Kojima, Kottelat, Krell, Kullander, Lamas, Lim, Ng, Pape, Patterson, Rosenberg, Štys, van Tol, Winston, Yanega, Zhang and Zhou.

Negative votes – none.

Pyle was on leave of absence.

Voting FOR, Alonso-Zarazaga said that the date for Jolyclerc's books was not later than 30 September 1806 and that this information had been communicated to the authors and to N. Evenhuis. Also voting FOR, Lamas said that since the family-group name for the Hercules beetles was first proposed by MacLeay (1819, p. 64) as DYNASTIDAE, this is the way in which it should be placed on the Official List of Family-Group Names in Zoology, not 'DYNASTINAE' as requested by the authors in para 12(4)(b) of their application.

Original references

The following is the original reference to the names placed on Official Lists by the ruling given in the present Opinion:

Dynastes MacLeay, 1819, *Horae Entomologicae: or essays on annulose animals*, vol. 1, part 1. S. Bagster, London, p. 22.

Scarabaeus Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1. Salvii, Holmiae, pp. 342, 345.

sacer, *Scarabaeus*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1. Salvii, Holmiae, pp. 347.

hercules, *Scarabaeus*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1. Salvii, Holmiae, p. 345.

SCARABAEIDAE Latreille, 1802, *Histoire naturelle, générale et particulière des crustacés et des insectes. Tome troisième*. F. Dufart, Paris, p. 144.

DYNASTIDAE MacLeay, 1819, *Horae Entomologicae: or essays on annulose animals*, vol. 1, part 1. S. Bagster, London, p. 22.

The following is the reference to the type species designation:

Hope, W.F. 1837. The coleopterist's manual, containing the lamellicorn Insects of Linneus and Fabricius. Henry G. Bohn, London, p. 22.